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Notice of Allowability	Application No.	Applicant(s)	
	10/806,005	FLICK, LEE	
	Examiner	Art Unit	
	John C. Hong	3726	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed 3/28/05.
2. ☒ The allowed claim(s) is/are 31-34.
3. ☒ The drawings filed on 28 March 2005 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |



John C. Hong
Primary Examiner
Art Unit: 3726

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

The prior art fails to teach : Regarding Claim 31, a tool assembly unit for coupling a tool and a tool holder by heat shrinking, the unit comprising: a measuring device for establishing a desired position of the tool with respect to the tool holder; an alignment device adjacent to the measuring device and defining an aperture for receiving the tool holder, the alignment device including a moveable rod for engaging the tool when the tool is positioned within the tool holder and the tool holder is secured within the aperture; a heating device including a slide tower adjacent to said aperture and a heater slidably supported by the slide tower for heating the tool holder when the tool holder is secured in the aperture to facilitate coupling of the tool with the tool holder; and an adjustment device for moving the moveable rod relative to the aperture to move the tool with respect to the tool holder to the desired position after said heating device has heated the tool holder and without requiring removal of the tool holder from said aperture such that the tool holder remains secure in the aperture between heating the tool holder and moving the moveable rod; and Regarding Claim 34, a tool assembly unit for coupling a tool and a tool holder by heat shrinking, said unit comprising: a work table, a measuring device including a vertical tower supported by the work table and an optical viewer slidably supported by said vertical tower for establishing a desired position of the tool with respect to the tool holder; an alignment device supported by the work table and defining an aperture for receiving the tool holder, said alignment device including a moveable rod for engaging the tool when the tool is positioned within the tool holder and the tool holder is secured within the aperture; a heating device including a

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slide tower supported by the work table adjacent to the aperture and a heater slidably supported by the slide tower for heating the tool holder when the tool holder is secured in the aperture to facilitate coupling of the tool with the tool holder; an adjustment device for moving the moveable rod relative to the tool holder to move the tool with respect to the tool holder to the desired position after the heating device has heated the tool holder and without requiring removal of the tool holder from the aperture such that the tool holder remains secure in the aperture between heating the tool holder and moving the moveable rod; and wherein the optical viewer slides vertically along the vertical tower relative to the work table and above the aperture to establish the desired position and the heater slides vertically along the slide tower relative to the work table and above the aperture to heat the tool holder in combination with the other elements of the claimed invention.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John C. Hong whose telephone number is 571-272-4529. The examiner can normally be reached on M-F(07:00-16:30)First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 571-272-4690. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



John C. Hong
Primary Examiner
Art Unit 3726

jh
01 May, 2005